

National Functional Guidelines Report #03

Lab DATAC(ALS Environmental) **SDG** F2C99 **Case** 43795 **Contract** EPW11037 **Region** 6 **DDTID** 183789 **SOW** SOM01.2

Data Review Reports

Continuing Calibration Verification

Continuing Calibration Verification	BNA
BC10	The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F2C99, F2D01, F2D03, F2D05, F2D07, F2D35, SBLK24
	2-Nitrophenol SSTD020DA
	F2C99, F2D01, F2D03, F2D05, F2D07, F2D35, SBLK24
Continuing Calibration Verification	BNA
BC21	The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Detected and nondetected compounds are not qualified.
	F2C99, F2D01, F2D03, F2D05, F2D07, F2D35, SBLK24
	2-Nitrophenol-d4 SSTD020DA
	F2C99, F2D01, F2D03, F2D05, F2D07, F2D35, SBLK24

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Data Review Reports

Detection Limit

Detection Limit	BNA
BDL1	The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C99, F2D01, F2D03, F2D05, F2D15, F2D27
	Di-n-butylphthalate F2D27
	4-Methylphenol F2D15
	Naphthalene F2C99, F2D01, F2D03, F2D05
	2-Methylnaphthalene F2D01

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Detection Limit

Detection Limit	BNA_SIM
BDL1	The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2D01, F2D03, F2D05, F2D31
	Anthracene F2D31
	Phenanthrene F2D01, F2D05
	Acenaphthene F2D01, F2D03, F2D05
	Fluorene F2D01, F2D03, F2D05
	Naphthalene F2D31

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Initial Calibration

Initial Calibration	BNA_SIM
BC5	The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Nondetected compounds are not qualified. Use professional judgement to qualify non-detected compounds.
	F2C99, F2D01, F2D03, F2D03DL, F2D05, F2D05DL, F2D07, F2D09, F2D11, F2D13, F2D15, F2D17, F2D19, F2D21, F2D23, F2D25, F2D27, F2D31, F2D33, F2D35, SBLK06, SBLK24
	Pentachlorophenol SSTD001GG
	F2C99, F2D01, F2D03, F2D03DL, F2D05, F2D05DL, F2D07, F2D09, F2D11, F2D13, F2D15, F2D17, F2D19, F2D21, F2D23, F2D25, F2D27, F2D31, F2D33, F2D35, SBLK06, SBLK24

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Data Review Reports

TIC

TIC	BNA
BTIC1	A library search indicates a match at or above 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F2C99, F2D01, F2D03, F2D05, F2D13, F2D15, F2D17, F2D23, F2D25, F2D27, F2D31, F2D35, SBLK24
	Thiophene, tetrahydro-, 1,1-dioxide F2D15, F2D17, F2D23
	2-Naphthalenol, decahydro-, (2.alpha.,4a.alpha., F2D05
	Hexylene glycol F2C99, F2D13, F2D17, F2D25, F2D27, F2D31, F2D35, SBLK24
	Butyl citrate F2D31
	Naphthalene, 2,3-dimethyl- F2D01
	Benzoic acid, 2,4,6-trimethyl- F2D05
	Naphthalene, 1-methyl- F2D03
	1-Naphthalenecarboxylic acid F2D03
	Diethyltoluamide F2D15, F2D17, F2D31
	Benzene, 1,2,3,4-tetramethyl- F2D03, F2D05
	2-Naphthylpropionic acid F2D03, F2D05
	4-Isopropylphenylacetic acid F2D05
	2-Naphthaleneacetic acid F2D05
	1-Naphthaleneacetic acid, 2-methyl- F2D03
	2(1H)-Naphthalenone, octahydro-, trans- F2D03, F2D05
	1-Naphthaleneacetic acid F2D03
	2(3H)-Furanone, 5-butyldihydro-4-methyl-, cis- F2D15, F2D17
	Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydro F2D23
	1-Phenoxypropan-2-ol F2D23
	Benzoic acid, 2,4-dichloro- F2D31
	Benzene, 4-ethyl-1,2-dimethyl- F2D03, F2D05
	Propanoic acid, 2-phenoxy- F2D23
	3,5-Dimethylphenylacetic acid F2D03, F2D05
	2-Naphthalenecarboxylic acid F2D05
	1.alpha., 4a.beta., 8a.alpha.-Decahydro-1-naphth F2D03

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Data Review Reports

TIC

TIC	BNA
	Acetic acid, (2,4-xylyl)- F2C99
TIC	BNA
BTIC2	A library search indicates a match below 85% for a TIC compound in the semivolatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	F2C99, F2D01, F2D03, F2D05, F2D07, F2D15, F2D17, F2D19, F2D21, F2D23, F2D27, F2D31
	Unknown Benzoic acid, 2,4,6-trimethyl- F2C99, F2D03, F2D05
	Unknown 9-Borabicyclo[3.3.1]nonane, 9-ethyl- F2D05
	Unknown 1-tert-Butoxy-2-methoxyethane F2D21, F2D23
	Unknown Silane, triethyl- F2C99
	Unknown 3-Octyne, 7-methyl- F2D05
	Unknown Cyclohexene, 1-methyl-4-(1-methylethyl)-, (R)- F2D01
	Unknown 1-(2,4-Dimethylphenyl)-1-methylsiletane F2D01
	Unknown 3-Pyridinecarboxylic acid, 1,2,5,6-tetrahydro-1- F2D17, F2D27, F2D31
	Unknown 1H-Imidazole, 2-ethyl- F2D03
	Unknown Cyclohexanecarboxylic acid, 1-cyclohpentylethyl F2D01
	Unknown 4-Isopropylphenylacetic acid F2D01, F2D03
	Unknown Allyl Isothiocyanate F2D01
	Unknown 4,7-Methano-2H-inden-2-one, octahydro- F2D01
	Unknown Benzamide, N-(4-methylphenyl)- F2D23
	Unknown 1-(3-Methylbutyl)-2,3,6-trimethylbenzene F2D05
	Unknown 2-Benzothiazolamine, 5,6-dimethyl- F2D01
	Unknown 1H-Imidazole-4-methanol F2D23
	Unknown 2-Butenenitrile, 2-amino-3-methyl- F2D01
	Unknown 2-Pyrrolidinone, 1-methyl- F2D23
	Unknown Glycine, furan-2-yl-methyl ester F2D03, F2D05
	Unknown Hydrazinecarboxamide, 2-(1-phenylethylidene)- F2D03
	Unknown 2-Naphthaleneacetic acid F2D03
	Unknown 4-Fluoro-2-nitroaniline F2D15

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Data Review Reports

TIC

TIC	BNA
	Unknown Naphthalene, 2,6-dimethyl- F2D05
	Unknown Cyclopentane, 1,2-dimethyl-3-methylene-, trans- F2D01
	Unknown o-Cymene F2D01
	Unknown 1,2-Benzisothiazol-3(2H)-one, 4-isopropylidenhyd F2D07
	Unknown 1-Methoxy-2,3-dimethyl-2-butene F2D23
	Unknown 2,3,5,6-Tetramethylbenzoic acid F2D03, F2D05
	Unknown 1-Cyclohexylheptene F2D03
	Unknown 3,5-Dimethylphenylacetic acid F2C99
	Unknown cis-2,5-Diallyloxy-2,5-dihydrofuran F2D01
	Unknown Benzenamine, 2-cyclopropyl- F2D03
	Unknown 2-Propanol, 1-(1,1-dimethylethoxy)- F2D19
	Unknown 2-Methyl-2-(4'-hydroxyphenyl)pentanone-4 F2D23
	Unknown Benzene, 1,3-hexadienyl- F2D03
	Unknown Butanoic acid, 2-methyl-, methyl ester F2C99
	Unknown Benzoic acid, 2-[(benzoylamino)carbonyl]hydrazid F2D23
	Unknown Benzene, (1,2-dimethylpropyl)- F2D23
	Unknown Ethanone, 1-(1-cyclohexen-1-yl)- F2D01, F2D03, F2D05
	Unknown Tricyclo[4.3.1.1(3,8)]undecan-3-ol F2D05
	Unknown 2-Cyclohexen-1-one, 4-ethyl-4-methyl- F2D05
	Unknown 1H-Indole-2,3-dione, 1-[2-(3,4-dihydro-1H-isoqui F2C99
	Unknown 1-(4-Fluoro-benzenesulfonyl)-piperidine-3-carbox F2C99, F2D07
	Unknown 1H-Indene, 1-methyl- F2D05
	Unknown Cyclobutanone, 2,2,3,4-tetramethyl-, cis- F2D23
	Unknown 1H-Inden-5-ol, 2,3-dihydro- F2D05
	Unknown Acenaphthylene, 1,2,2a,3,4,5-hexahydro- F2D05
	Unknown Hexylene glycol F2D15
	Unknown 2,3,4-Trimethylpentanoic acid F2D01

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TIC

TIC	BNA
	Unknown Quinazoline, 7-nitro- F2D05
	Unknown Benzene, (1-methyl-3-butenyl)- F2D23
	Unknown Androst-5-en-17-one, 3-spiro-2'-1,3-dioxalane- F2C99
	Unknown 2-Pentanamine, N-(phenylmethylene)- F2D01
	Unknown Undeca-3,4-diene-2,10-dione, 5,6,6-trimethyl- F2D31
	Unknown 2,2,3,3,5,8,11-Heptamethyl-4,7,10,13-tetraoxa-3- F2D23
	Unknown 6-Phenyl-5-hexenoic acid, methyl ester F2D03
	Unknown 1H-Indene, 1-ethyloctahydro-7a-methyl-, (1.alpha F2D03
	Unknown 2-Aminoacetanilide F2D03
	Unknown 1,3-Cyclopentadiene, 5-(trans-2-ethyl-3-methylcy F2D05
	Unknown Pyrazine, 2-methyl-5-(1-propenyl)-, (E)- F2D03
	Unknown Pyrrolidine, 1-(1-oxopropyl)- F2D23
	Unknown Mesitylacetic acid F2D01, F2D05
	Unknown Cyclohexanone, 2-methyl-5-(1-methylethenyl)-, tr F2D01
	Unknown 1,3-Dioxolane, 2,2,4,5-tetramethyl-, cis- F2D23
	Unknown 4,4-Dimethyl-2-cyclopenten-1-one F2D03
	Unknown DL-.alpha.-Methylbenzyl isothiocyanate F2D19
	Unknown Ether, p-methylbenzyl vinyl F2D23
	Unknown Carbonic acid, allyl cyclohexylmethyl ester F2D03, F2D05
	Unknown 3-Methylbenzyl(1-hydroxyprop-2-yl)ether F2D23
	Unknown Phenol, o-[(.alpha.-methylbenzyl)sulfonyl]- F2D23
	Unknown Naphthalene, decahydro-2,6-dimethyl- F2D05
	Unknown Pyrimidine, 2,4-bis(methylthio)- F2D23
	Unknown Methyl ethyl cyclopentene F2D03